

1	1. A method for signaling of information in a frame based transmission system,
2	whereat the signaling information contains information necessary for the operation of the
3	transmission system,
4	characterized by steps of
5	inserting signaling information related to individual frames into said individual
6	frames, and
7	partitioning signaling information and inserting said partitioned signaling information
8	into different frames.
1 A	2. A method according to claim 1,
2	characterized in, that
3	said inserted signaling information and said inserted partitioned signaling
4	information is synchronized by using the given synchronization of the frame based
5	transmission system.
1	3. A method according to claim 1 or 2,
2	characterized in, that
3	said signaling information and said partitioned signaling information indicate a coding
4	mode used for coding and decoding data in the transmission system.
1	4. A method according to claim 1,
2	characterized in, that
3	said inserted signaling information related to individual frames indicates a coding mode
4	used for coding and decoding data in the transmission system, said partitioned signaling
5	information inserted into different frames of the uplink is a quality criterion for the
6	transmission, and
7	said partitioned signaling information inserted into different frames of the downlink
8	indicated a coding mode used for coding and decoding data in the transmission system.
1	5. A method according to claim 1,
2	characterized in, that
3	said inserted signaling information related to individual frames is channel coded
4	separately.

1	6. A method according to claim 1,
2	characterized in, that
3	said partitioned signaling information inserted into different frames is channel coded
4	together with data contained in said different frames.
1	7. A method according to claim 1,
2	characterized in, that
3	the transmission system is a radio network system.
1	8. A method according to claim 7,
2	characterized in, that
3	said radio network system is a GSM system.
1	9. A frame based transmission system for signaling of information, whereat the
2	signaling information contains information necessary for the operation of the
3	transmission system, having
4	means for coding and decoding of data (10, 11;20,21),
\5	means for handling the coded data in frame format (14;24), and
6	means for transmitting and receiving the frames (15,16;25,26),
7	characterized by
8	means for inserting and evaluating signaling information (12;22) into and from individual
9	frames related to said individual frames, and
10	means for partitioning signaling information (12;22) and inserting and evaluating said
11	partitioned information into and from different frames.
ρ_1	10. A system according to claim 9,
2	characterized in, that
3	means for synchronizing (10,11,14;20,21,24) are used to synchronize said inserted
4	signaling information and said inserted partitioned signaling information according to the
5	given synchronization of the frame based transmission system.
1	11. A system according to claim 9 or 10,
2	characterized in, that

5

6

3	means for channel coding and decoding (13;23) are used to channel code and decode the
4	signaling information provided by said means far inserting and evaluating signaling
5	information (12;22) into and from individual frames.
1	12. A system according to claim 9,
2	characterized in, that
3	the means for coding (11;21) are used to channel code and decode the signaling
4	information provided by said means for partitioning signaling information (12;22) and
5	inserting and evaluating said partitioned information into and from different frames.
1	13. A system according to claim 9,
2	characterized in, that
3	the transmission system is a radio network system.
1	14. A system according to claim 13,
2	characterized in, that
3	said radio network system is a OSM system.
1	15. A system according to claim 9,
2	characterized in, that
3	said signaling information provided by said means for inserting and evaluating signaling
4	information (12;22) into and from individual frames and said signaling information
5	provided by said means for partitioning signaling information (12;22) and inserting and
6	evaluating said partitioned information into and from different frames indicate coding
7	modes used by the means for coding and decoding (10, 11; 20, 21).
1	16. A system according to claim 15,
2	characterized in, that
3	said system is a fixed part (1) of said radio network system.
1	17. A system according to claim 9,
2	characterized in, that
3	said signaling information provided by said means for inserting and evaluating signaling
4	information (12:22) into and from individual frames indicate coding modes used by the

means for coding and decoding (10,11;20,21), and said signaling information provided by

said means for partitioning signaling information (12;22) and inserting and evaluating

5

system.



said partitioned information into and from different frames indicate a quality criterion for transmission. 8 18. A system according to claim 17, 1 characterized in, that 2 said system is a mobile part (2) of said radio network system. 3 19. A system according to claim 18, 1 characterized in, that 2 said quality criterion for transmission is evaluated by said mobile part (2) of said radio 3 network system, based on frames received from said fixed part of said radio network 4